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ABSTRACT

A sizing composition and method for manufacturing such, which is suitable for use in manufacturing fiber-reinforced composites which have desirable properties such as high strength, high resistance to water and chemical degradation, and improved coloring. This is achieved in part by good adhesion of the sizing composition to the reinforcing fibers and the polymer matrix. The sizing composition includes an emulsion having a grafted polyolefin, two or more saturated fatty acids, and one or more silane coupling agents. When reinforcing fiber materials sized according to the invention are used in a molding process, the resulting composites are observed to show minimal discoloration.